PROJECT TITLE : Cigarette and Smoke Analysis

Period Covered : June 30 - July 31, 1980
Report Written by : F. Senehi
Report Approved by : F. Lopes

CO GROUP MEETING - TOBACCO ADVISOR COUNCIL, LONDON

On July 16, 1980 the undersigned participated in the CO group meeting.

During this meeting, it was noted that all manufacturers had now received LGC data back to the beginning of Survey 12.

It is planned that LGC will supply all data from Survey 10 to Survey 13 so that the statistical study will be ready for the final Report in November 1980.

Compared to the tar and CO results obtained by Gallaher, Carreras-Rothmans and Philip Morris on Survey 12, LGC found on the average, the following deviation :

	LGC - GALL	LGC - CRL	LGC - PME
Tar (mg / cig)	+ 0,2	+ 0,1	+ 0,3
CO (mg / cig)	- 1,6	- 1,0	- 0,9

LGC = Government Chemist's Laboratory (United Kingdom).

COMPARATIVE RESULTS BETWEEN THE OFFICIAL SWISS LABORATORY OF DR. ROMANN AND QC PME (GRAPHS 1 AND 2)

A statistical study was carried out in order to determine the regression curves for the tar and the smoke nicotine calculated from the results obtained by Dr. Romann and QC PME on the same sampling (Ref. 1).

The coefficient of correlation r for these two curves is higher than 0,98. As mentioned in the monthly report of June 4, 1980, Dr. Romann uses the Filtrona 302 smoking machine (8 ports) which gives systematically lower tar and SN results than the Filtrona 300 smoking machine (20 ports).

SALES WEIGHTED AVERAGE, GERMANY

The sales weighted average tar and smoke nicotine deliveries were calculated for 1979 (Ref. 2).

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Compared with 1978, we observed for the "segments":

1. "ALL CIGARETTES"

   The same tar of 13, 5 mg

   An increase of nicotine from 0,74 to 0,78 mg

2. "ALL COMPETITIVE BRANDS"

   A decrease in tar from 13,6 to 13,5 mg

   An increase in smoke nicotine from 0,74 to 0,78 mg

3. "ALL P.M. BRANDS"

   The same tar of 12,9 mg

   The same nicotine of 0,79 mg.

SMOKING PANEL

The following versions were mail-out tested:

1. Brunette Double F

   Z 37 = Standard / Batch 460 cigarette paper velin 1615

   J 16 = Trial / Batch 460 without ES-MD, cigarette paper Pela 200 special

   Preference was given to the standard (not significant).

2. Muratti Ambassador

   K 93 = Standard (100 % charcoal Pica)

   R 26 = Trial - 25 % charcoal Chemviron UKCT + 75 %, Charcoal Pica

   Preference was significantly given to the trial

3. Marlboro

   L 96 = First step, Atlantic project 5,7 % ES-AM / 2,0 % E.T.

   D 18 = Second step, Atlantic project 4,7 % ES-AM / 4,0 % E.T.

   Preference was significantly given to the D 18.

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PRODUCT REPORTS

Product Reports were written on the following new or modified brands:

Brand	Manufacturer	Country of sale
Cecil 84/F (New Filter cig.)	Scandinavian Tob.	Denmark
Sirocco 85/F (New brand)	Sekap S.A.	Greece
Winston Lights 79/F (New brand)	Reynolds	Norway
Du Maurier 84/F (New format)	B.A.T.	United Kingdom

QC FINISHED PRODUCTS

F. Senehi

REFERENCES

1. Letter dd 07-14-1980 from M. Pittet to F. Senehi
2. Letter dd 07-28-1980 from F. Senehi

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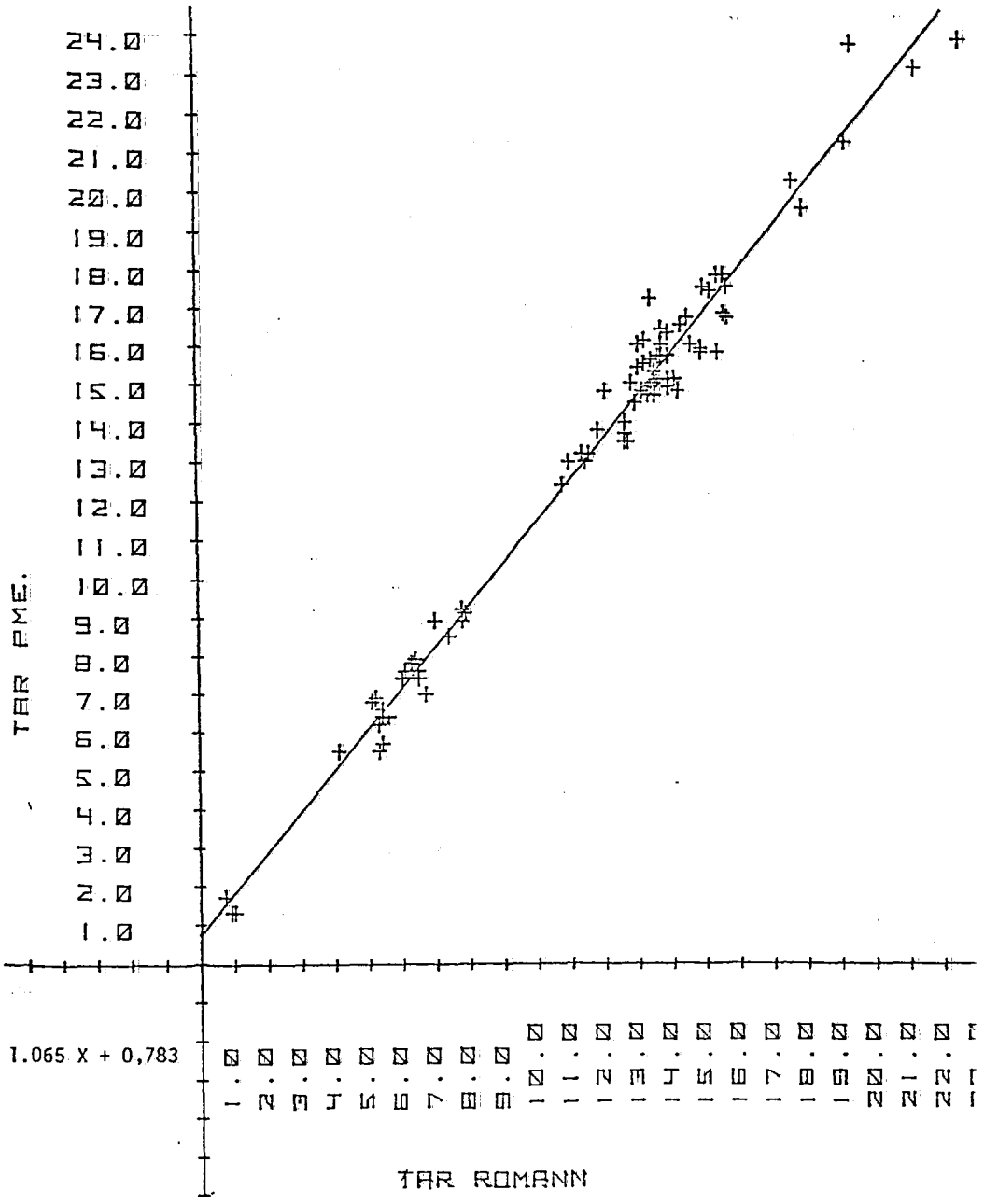
GRAPH 1

COMPARATIVE RESULTS BETWEEN THE LABORATORY OF DR ROMANN AND QC PME

(MAY 79 / NOVEMBER 79 / MARCH 80)



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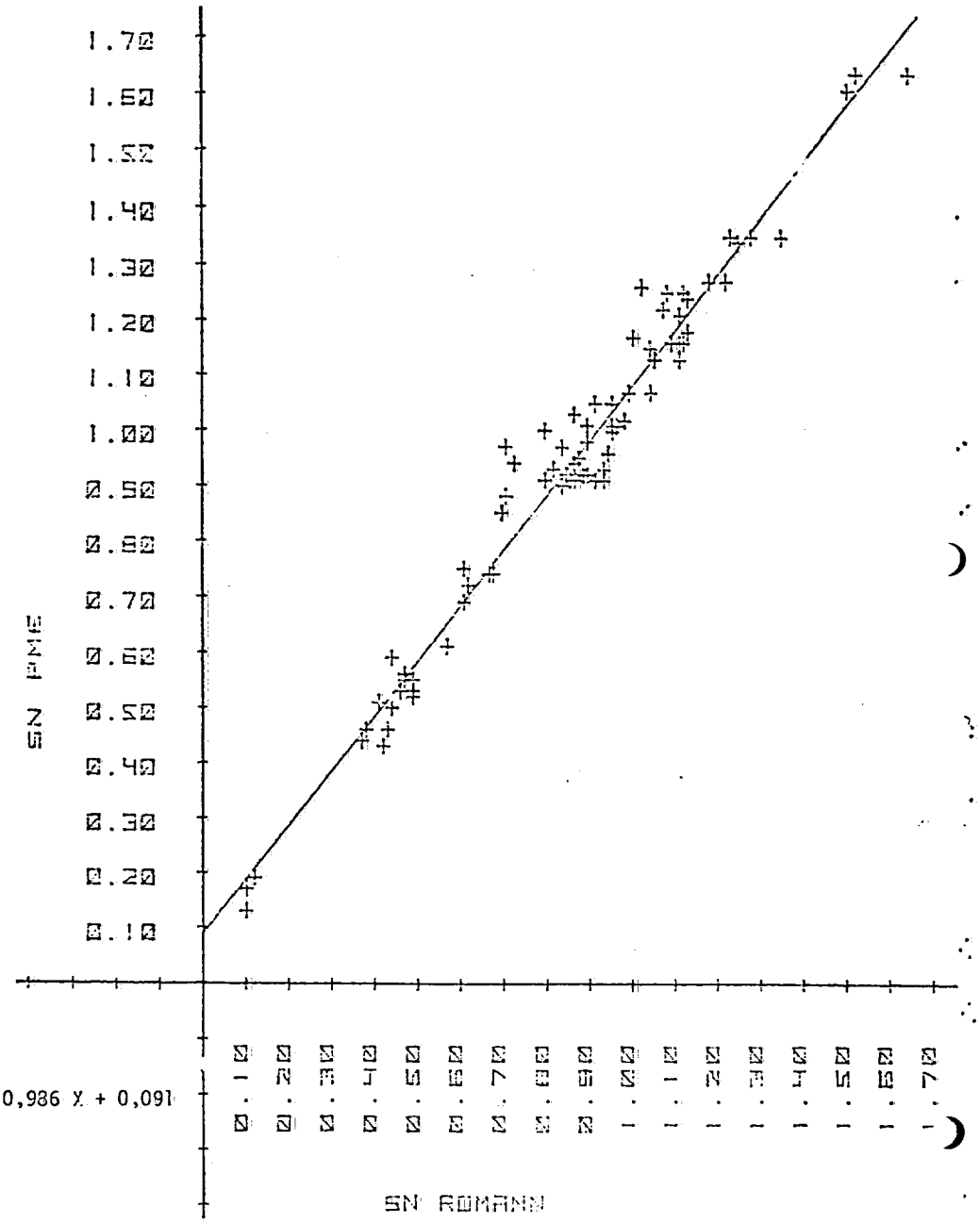
GRAPH 2

COMPARATIVE RESULTS BETWEEN THE LABORATORY OF DR ROMANN AND OC PME

(MAY 79 / NOVEMBER 79 / MARCH 80)



Y = 0,986 X + 0,091

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